

Joint High Speed Vessel

Purpose: To assess the utility of a commercially available Joint High Speed Vessel (JHSV) to provide high speed, long range, and high-volume surface lift capabilities as a component of the networked sea base.

Background: Since October 2001, the Marine Corps and Navy have been conducting concept based experiments with JHSVs in order to assess their capabilities and limitation within the context of Seabasing and OMFTS. Joint experiments are exploring commercially available high-speed, shallow draft vessels with advanced hull, propulsion, and communications technologies. Currently there are four vessels under lease by the Army, Navy and Marine Corps in support of experimentation. They are the HSV-2 Swift (USMC/USN), TSV-1X Spearhead (US Army), HSV-X1 Joint Venture (USN), and WestPac Express (USMC).



Description: The Swift (HSV-2) is a 98-meter, 45 knot, dual hull, shallow draft, commercial catamaran that has been modified to meet military experimentation requirements for rotary wing aircraft, roll-on/roll-off vehicles, small boats, and a state-of-the art command and control system. Experimentation is exploring the concepts, capabilities, and military utility associated with high-speed, shallow-draft intra-theater vessels that are integrated with advanced hulls, propulsion technologies, and innovative communications. As an intra-theater surface connector the JHSV is a transformational technology that fills a critical capability gap in the family of sea base connectors by linking advanced bases, sea bases, and forces operating ashore. JHSV's will play a crucial role as an operational maneuver platform that can rapidly project forces and sustainment in support of the Global War on Terror (GWOT) and Theater Security Cooperation (TSC) objectives. The evaluation of all data collected from previous and future experimentation will be used to support the Expeditionary Force Development process, and refine potential missions for future Joint High Speed Vessels (JHSV).

Deliverable Products: A definitive USMC requirement and CONOPS in order to transition via Navy as a joint program with the Army TSV (Theater Support Vessel) program.

Milestones:

TASKS	FY06	FY07	FY08	FY09	FY10
WATC 06	▲▲				
Initial Capability Document Signed	▲				
Analysis of Alternatives	▲				
Capability Development Document	▲▲	▲			
Lead Vessel			▲	▲	▲
MCWL/MCOTEA Testing (TBD)					▲

POC: (703) 784-1089